

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004321.D
 Acq On : 29 Jul 2018 18:40
 Operator : SY/AP
 Sample : J4095-05RE
 Misc : 12.72G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 04:34:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 02:37:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	61996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	84105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	67920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	27955	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	29956	47.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.80%	
35) Dibromofluoromethane	7.88	113	26806	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
50) Toluene-d8	10.33	98	92742	44.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.30%	
62) 4-Bromofluorobenzene	12.62	95	25418	34.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.74%	

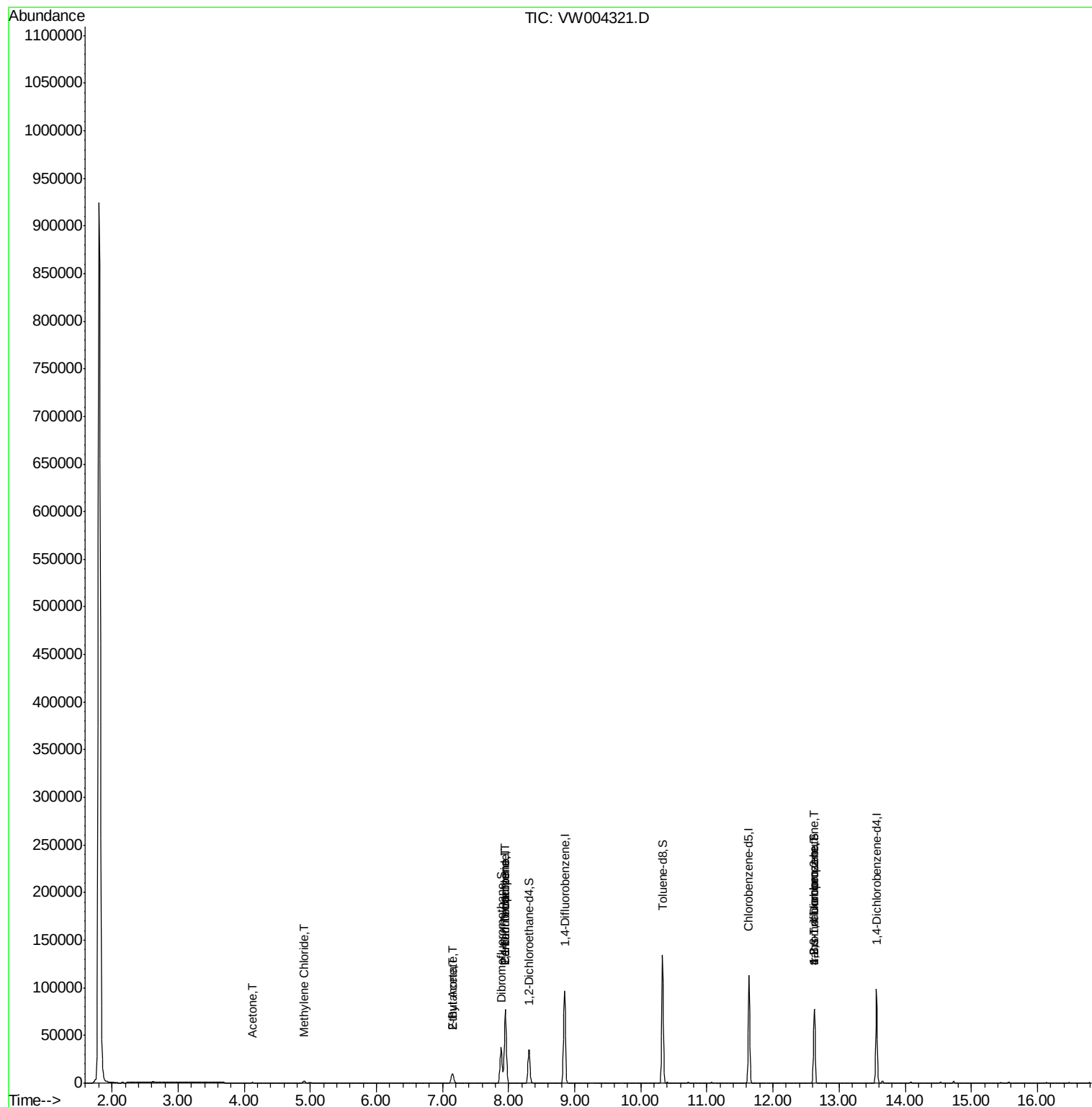
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	23	Below Cal	#	44
11) Tert butyl alcohol	5.12	59	153	Below Cal	#	72
16) Acetone	4.12	43	1313	21.336	ug/l	98
20) Methylene Chloride	4.91	84	1729	1.385	ug/l	87
25) 2-Butanone	7.15	43	464	2.672	ug/l	# 50
36) 1,1-Dichloropropene	7.95	75	4274	5.080	ug/l	# 48
37) Ethyl Acetate	7.15	43	464	1.346	ug/l	# 7
38) Carbon Tetrachloride	7.95	117	5437	6.544	ug/l	# 16
76) 1,2,3-Trichloropropane	12.62	75	12003	47.046	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	12003	109.471	ug/l	# 11

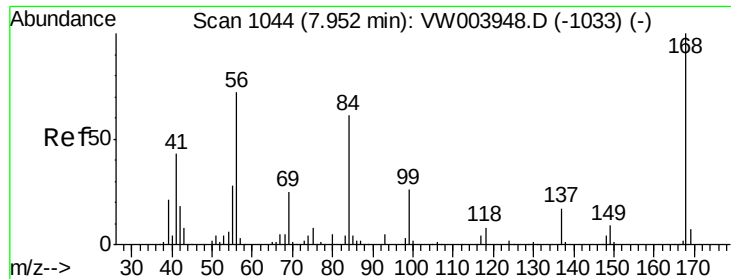
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 30 02:37:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004321.D

Acq: 29 Jul 2018 18:40

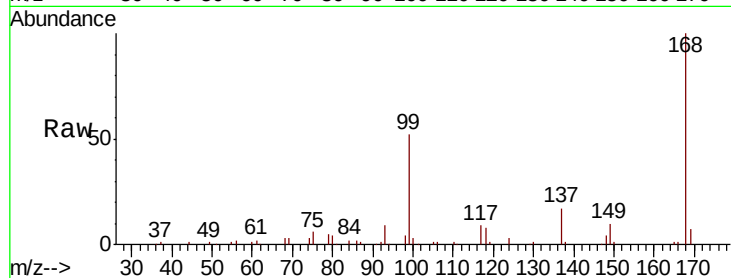
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 61996

Ion Ratio Lower Upper

168 100

99 52.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

25000

20000

15000

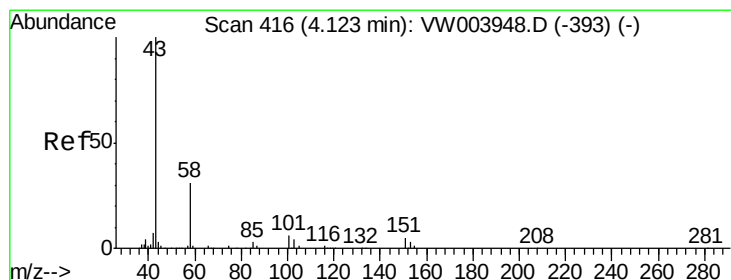
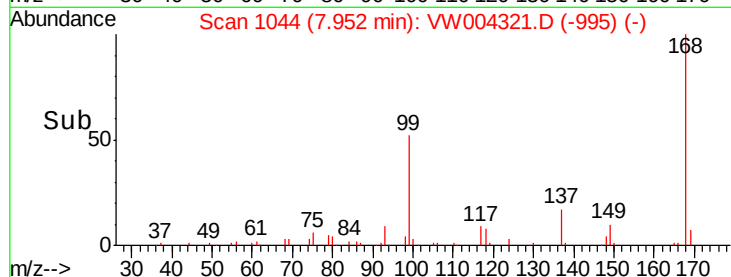
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 21.336 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW004321.D

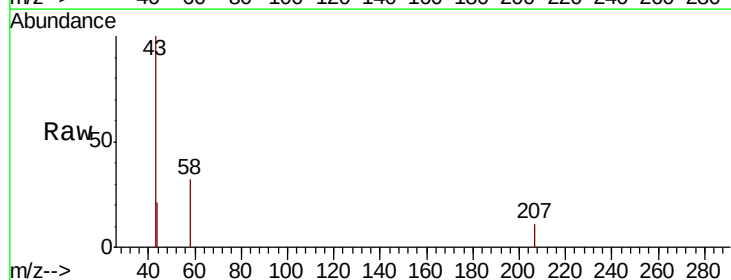
Acq: 29 Jul 2018 18:40

Tgt Ion: 43 Resp: 1313

Ion Ratio Lower Upper

43 100

58 32.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

600

500

400

300

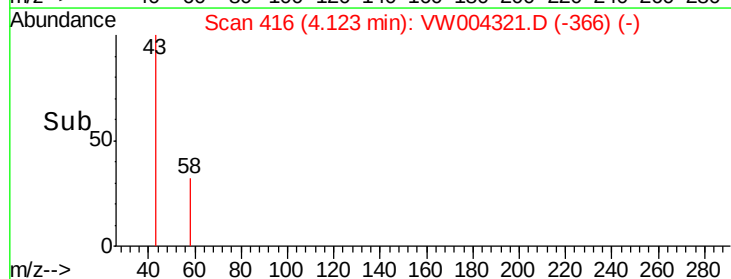
200

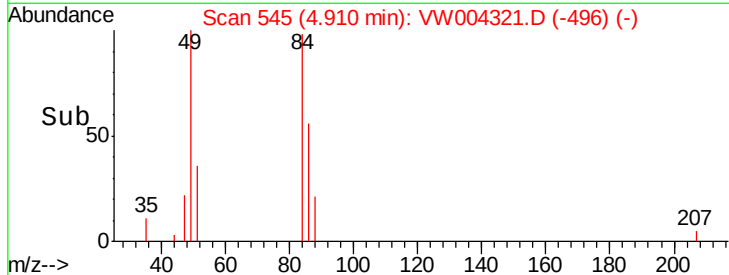
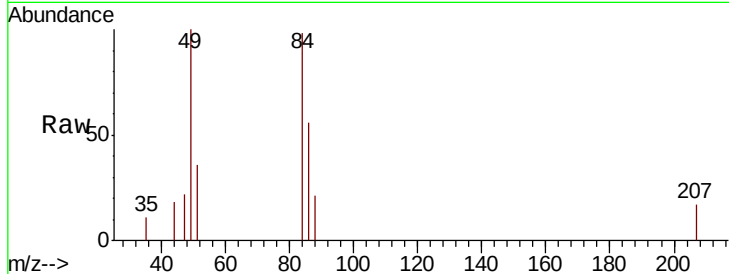
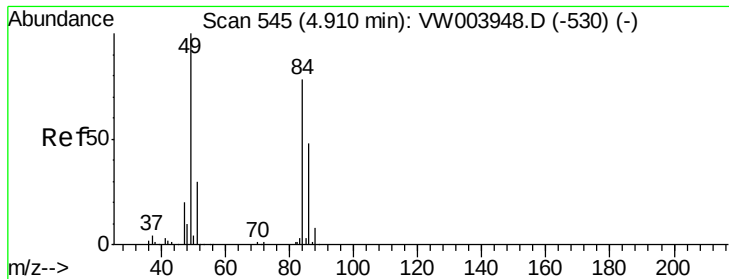
100

0

Time-->

4.05 4.10 4.15 4.20





#20

Methylene Chloride

Concen: 1.385 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004321.D

Acq: 29 Jul 2018 18:40

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 1729

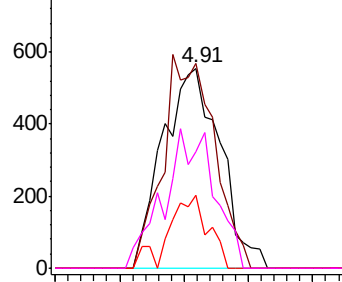
Ion	Ratio	Lower	Upper
84	100		
49	102.5	100.5	150.7
51	36.7	30.9	46.3
86	57.9	50.2	75.4

Abundance Ion 83.90 (83.60 to 84.60): VW

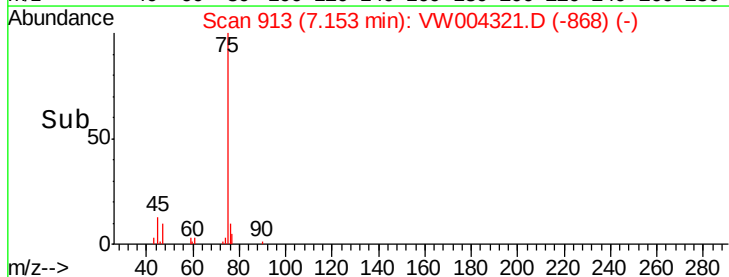
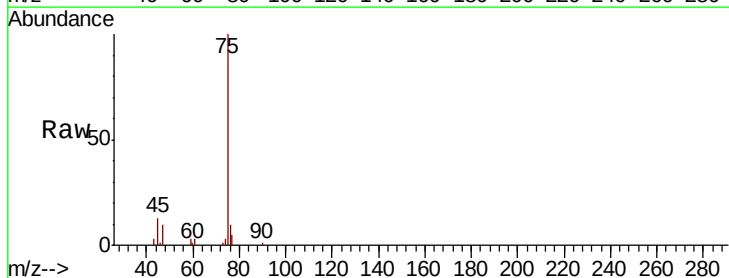
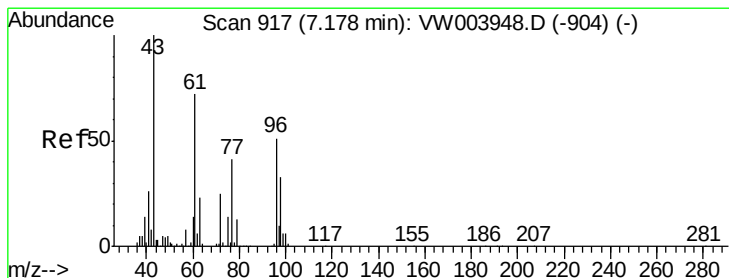
Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time--> 4.80 4.85 4.90 4.95 5.00



#25

2-Butanone

Concen: 2.672 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW004321.D

Acq: 29 Jul 2018 18:40

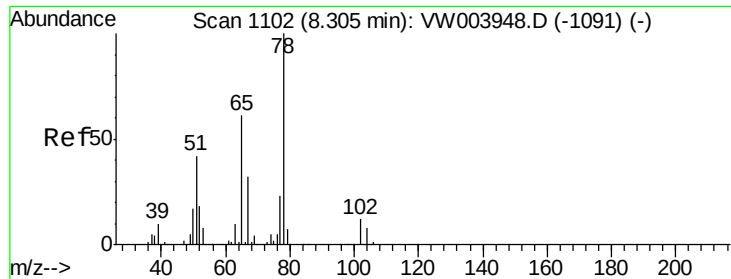
Tgt Ion: 43 Resp: 464

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.3	30.5#

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

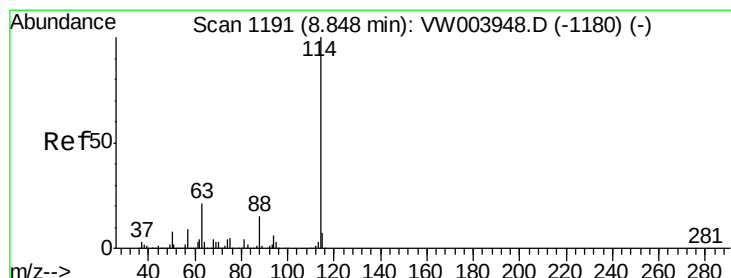
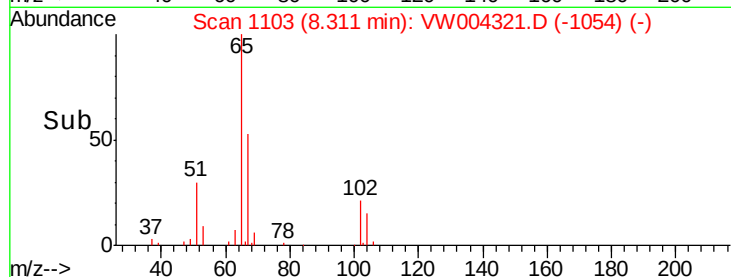
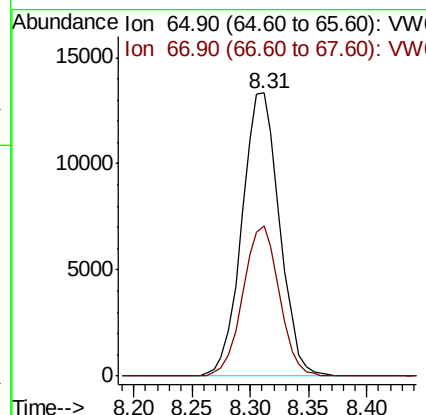
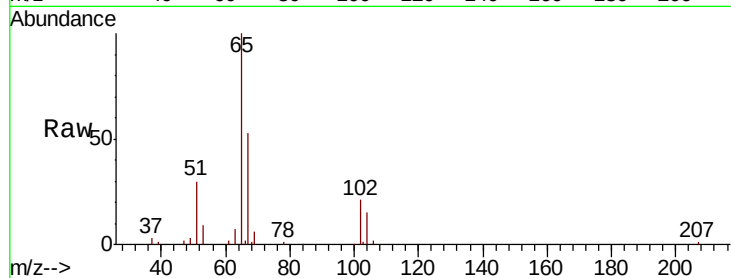
Time--> 7.10 7.15 7.20



#33
 1,2-Dichloroethane-d4
 Concen: 47.901 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004321.D
 Acq: 29 Jul 2018 18:40

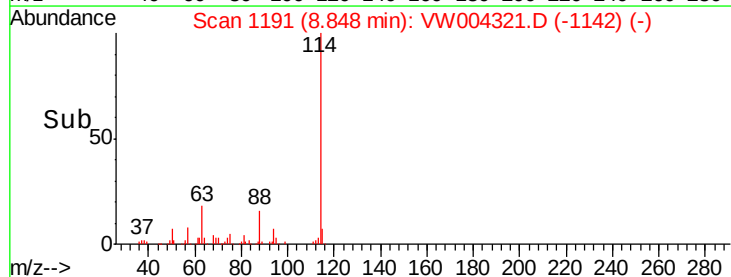
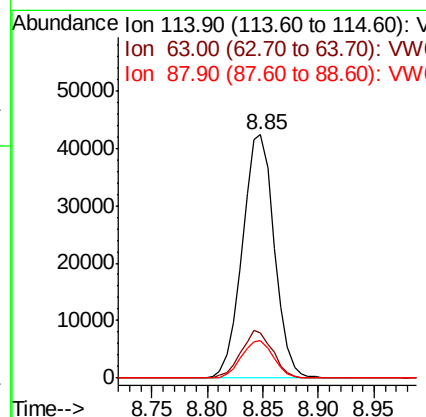
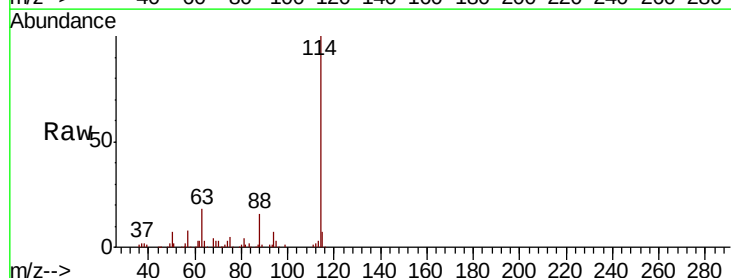
Instrument :
 MSVOA_W
 ClientSampled :

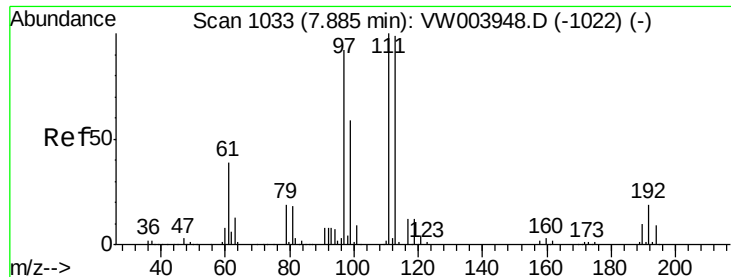
Tot Ion: 65 Resp: 29956
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004321.D
 Acq: 29 Jul 2018 18:40

Tgt Ion: 114 Resp: 84105
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 41.4
 88 15.5 0.0 30.6

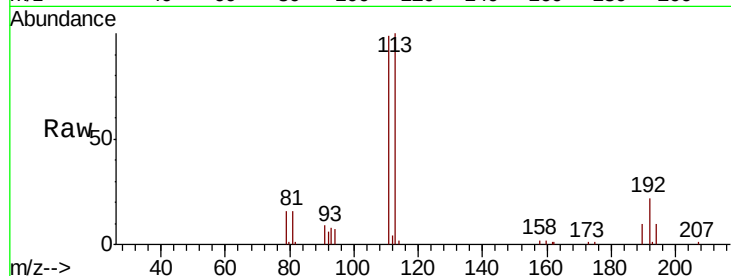




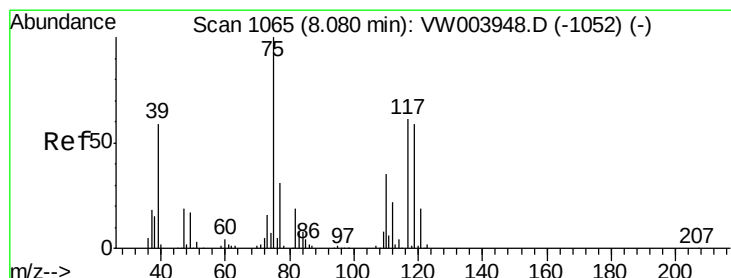
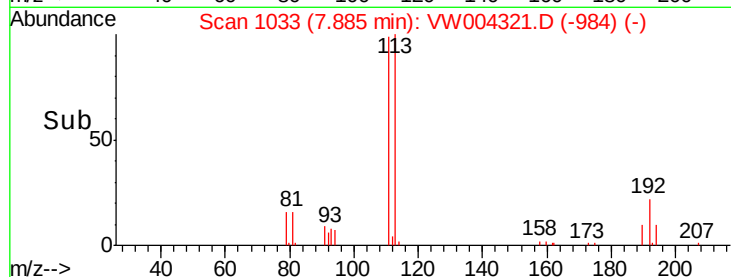
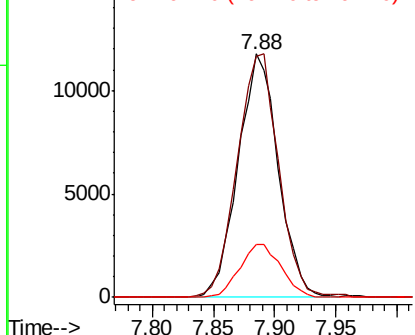
#35
 Dibromofluoromethane
 Concen: 50.434 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004321.D
 Acq: 29 Jul 2018 18:40

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 26806
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.1 123.1
 192 22.5 16.2 24.4

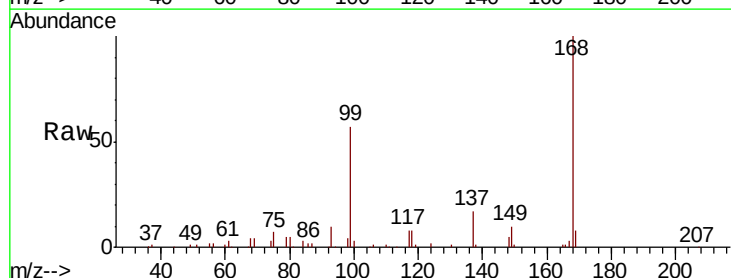


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

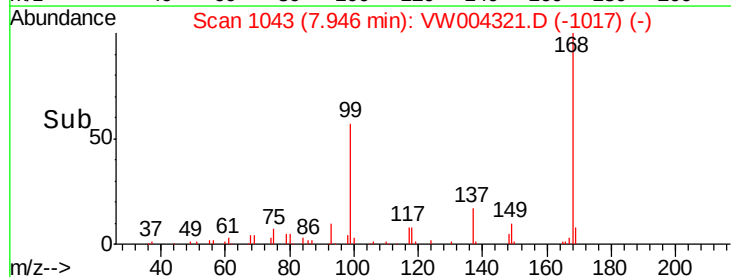
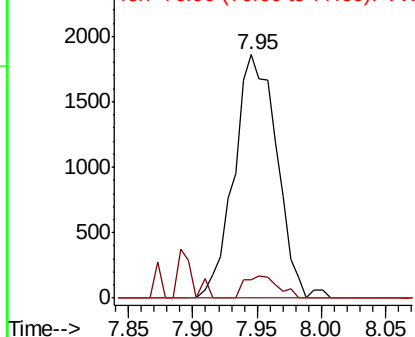


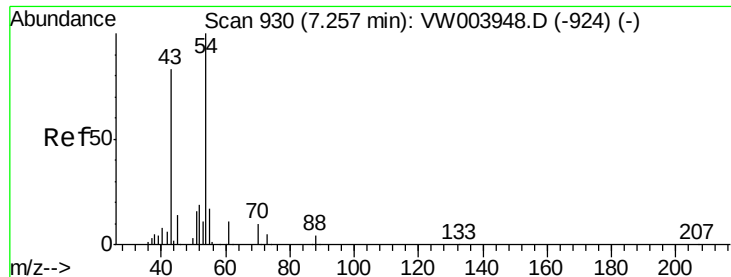
#36
 1,1-Dichloropropene
 Concen: 5.080 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.14 min
 Lab File: VW004321.D
 Acq: 29 Jul 2018 18:40

Tgt Ion: 75 Resp: 4274
 Ion Ratio Lower Upper
 75 100
 110 7.2 17.3 52.0#
 77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.346 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.10 min

Lab File: VW004321.D

Acq: 29 Jul 2018 18:40

Instrument :
MSVOA_W
ClientSampleId :

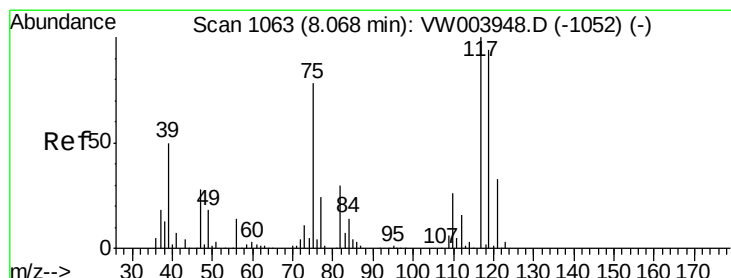
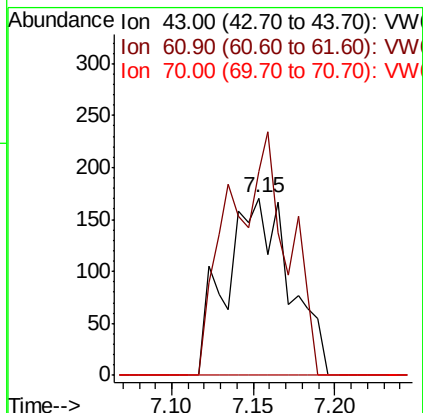
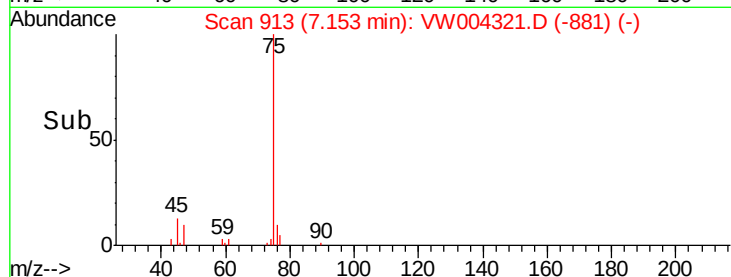
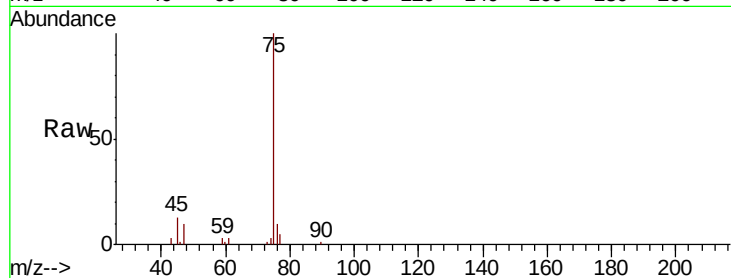
Tot Ion: 43 Resp: 464

Ion Ratio Lower Upper

43 100

61 70.7 11.1 16.7#

70 0.0 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 6.544 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004321.D

Acq: 29 Jul 2018 18:40

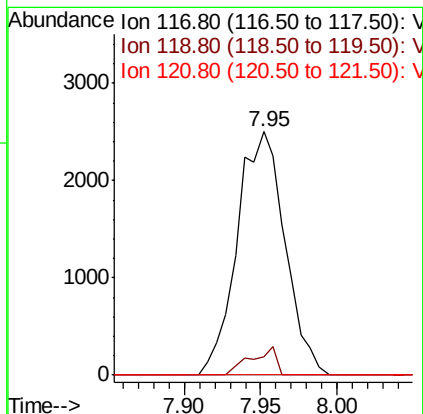
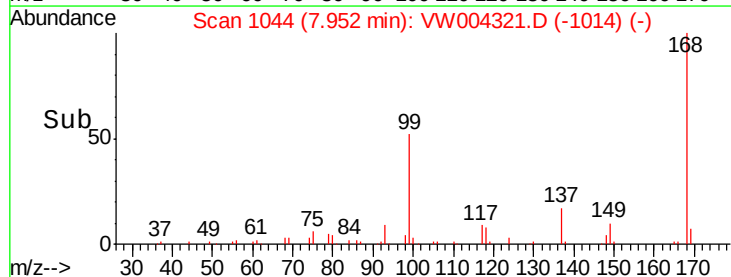
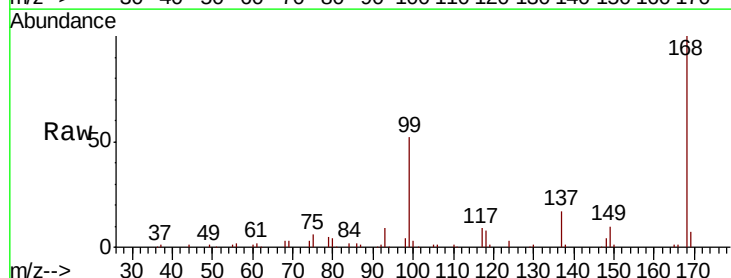
Tgt Ion: 117 Resp: 5437

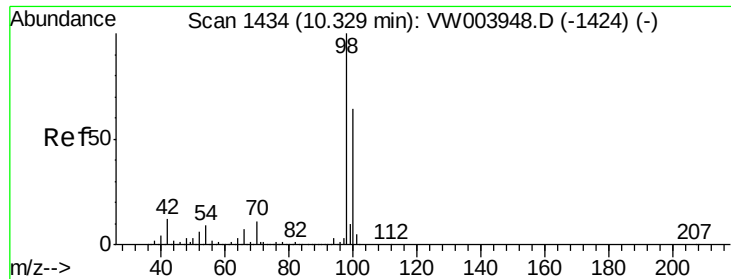
Ion Ratio Lower Upper

117 100

119 7.7 79.7 119.5#

121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 44.151 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004321.D

Acq: 29 Jul 2018 18:40

Instrument :

MSVOA_W

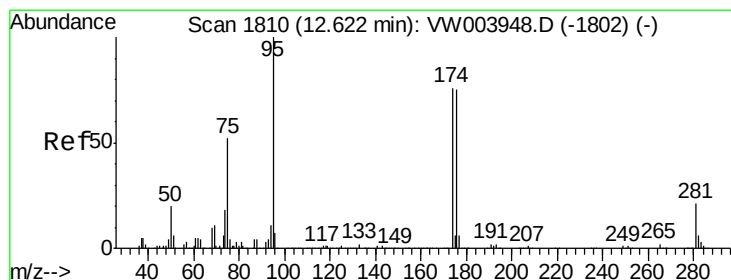
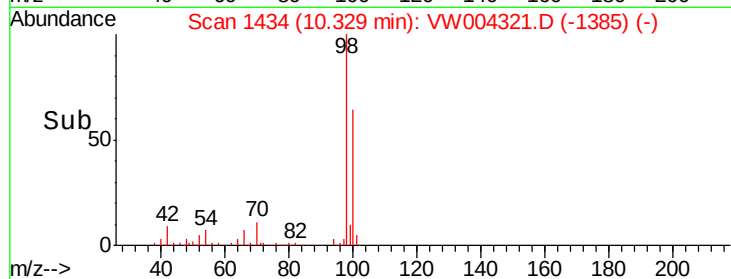
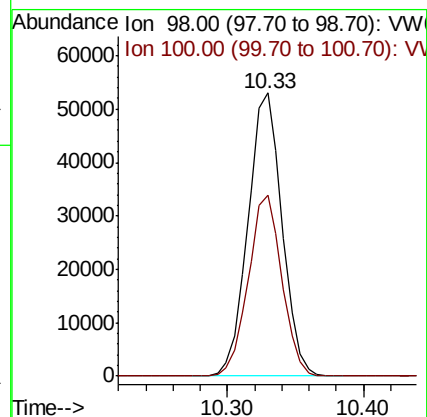
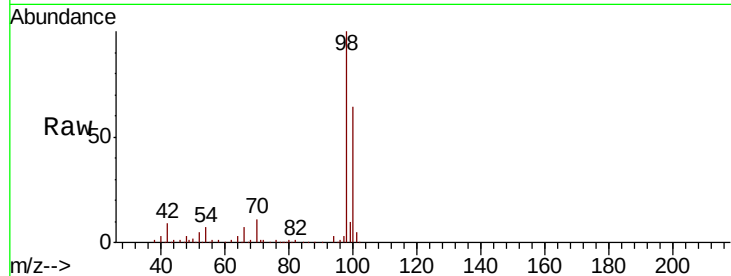
ClientSampled :

Tot Ion: 98 Resp: 92742

Ion Ratio Lower Upper

98 100

100 63.2 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 34.367 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004321.D

Acq: 29 Jul 2018 18:40

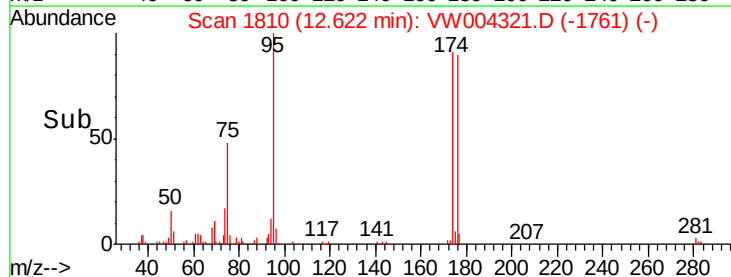
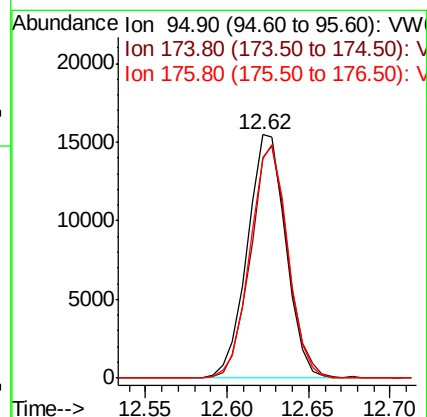
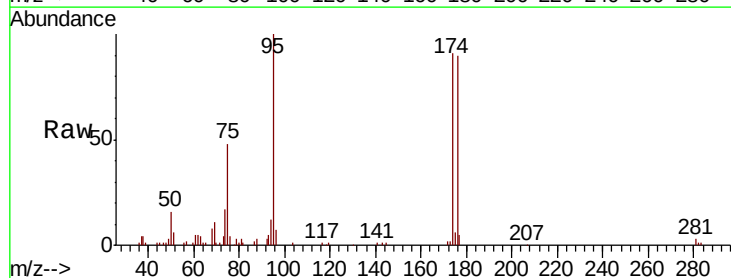
Tgt Ion: 95 Resp: 25418

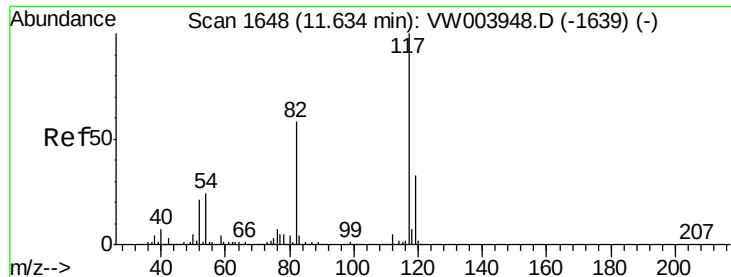
Ion Ratio Lower Upper

95 100

174 92.4 0.0 167.8

176 93.7 0.0 162.4

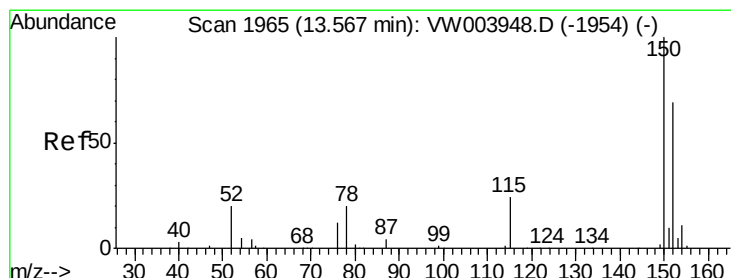
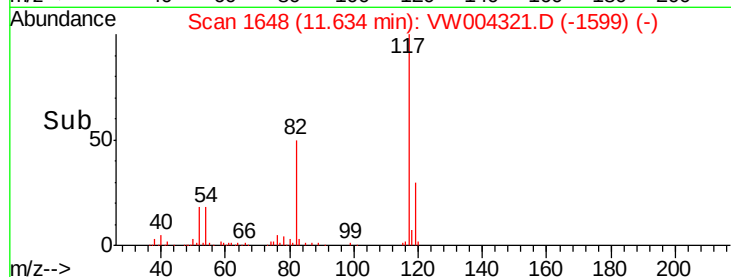
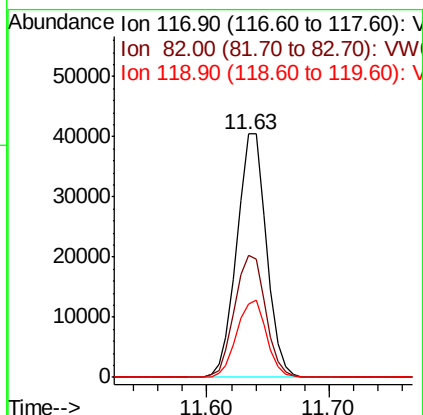
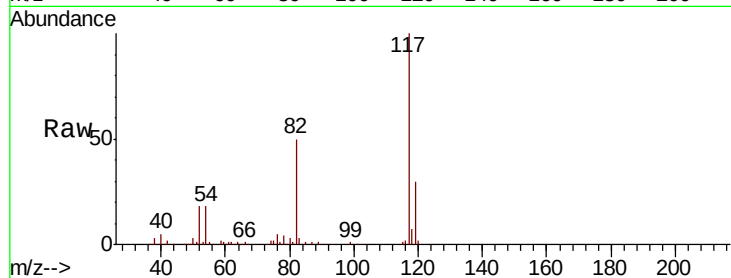




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004321.D
Acq: 29 Jul 2018 18:40

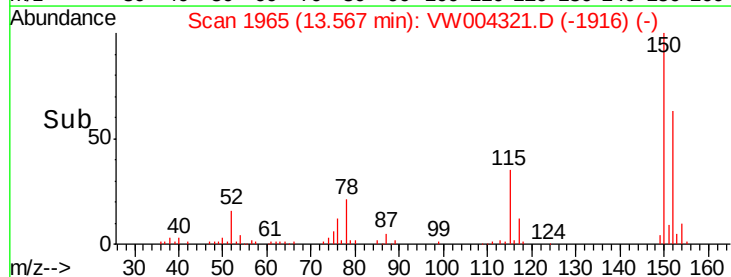
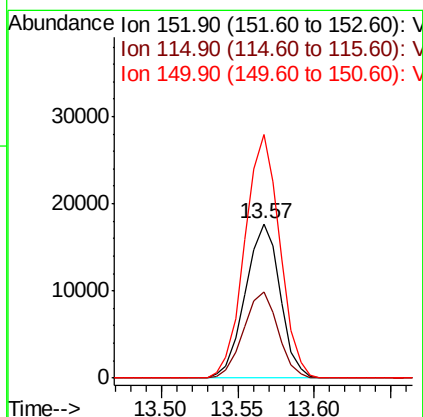
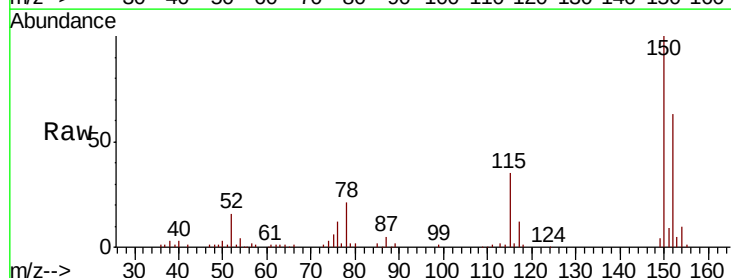
Instrument :
MSVOA_W
ClientSampled :

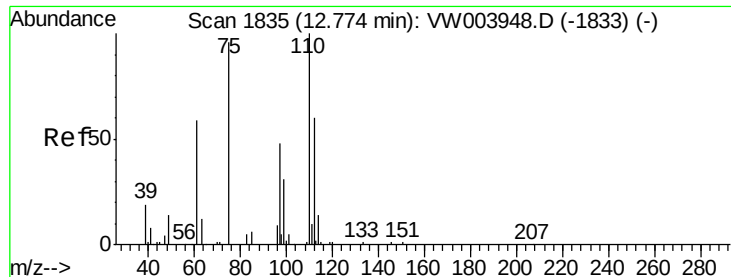
Tot Ion:117 Resp: 67920
Ion Ratio Lower Upper
117 100
82 50.1 47.9 71.9
119 30.4 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004321.D
Acq: 29 Jul 2018 18:40

Tgt Ion:152 Resp: 27955
Ion Ratio Lower Upper
152 100
115 55.7 28.8 86.4
150 158.9 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 47.046 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004321.D

Acq: 29 Jul 2018 18:40

Instrument :

MSVOA_W

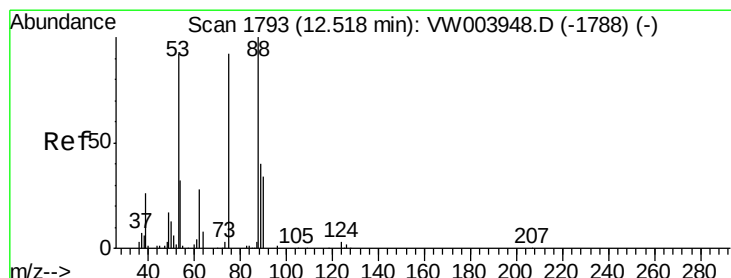
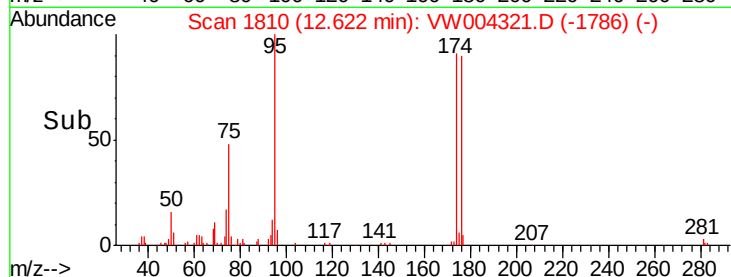
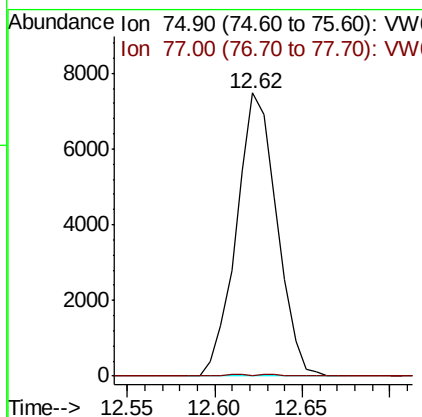
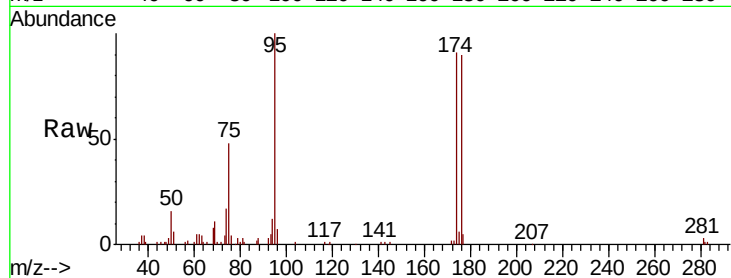
ClientSampleId :

Tot Ion: 75 Resp: 12003

Ion Ratio Lower Upper

75 100

77 0.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.471 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004321.D

Acq: 29 Jul 2018 18:40

Tgt Ion: 75 Resp: 12003

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.0 36.0 54.0#

